Index of Claims

Application No.

09/609,494

Examiner

Wei Y Zhen

Applicant(s)

DAS ET AL. **Art Unit** 

2122

Rejected Allowed

(Through numeral) Cancelled Restricted

Non-Elected Ν Interference

**Appeal** Α o Objected

| Claim   |       |             |          |          |                           |              |          |          |              |          |          |     |       |          |              |        |             |            |          |          |              |        |
|---|-------|-------------|----------|----------|---------------------------|--------------|----------|----------|--------------|----------|----------|-----|-------|----------|--------------|--------|-------------|------------|----------|----------|--------------|--------|
| 1   | Cla   | aim         |          | _        |                           |              | Dat      | e        | _            |          |          | ↓ ↓ | Cla   | im       | L.           |        |             | Dat        | e        | ,        |              | $\Box$ |
| 3       3         4       4         5       5         6       6         7       7         8       8         9       9         10       10         11       11         12       12         13       13         14       14         15       13         17       7         18       2         19       66         17       7         18       2         20       70         21       71         22       72         23       24         24       74         27       72         22       73         24       76         21       77         22       78         23       29         24       76         27       78         29       79         24       73         33       83         34       84         37       88         39       89         <   | Final | Original    |          | 10/20/2  |                           |              |          |          |              |          |          |     | Final | Original | 6/31/04      |        |             |            |          |          |              |        |
| 3       3         4       4         5       5         6       6         7       7         8       8         9       9         10       10         11       11         12       12         13       13         14       14         15       15         16       16         17       7         18       2         20       70         21       71         22       72         23       73         24       74         27       72         22       73         24       74         27       72         22       73         24       74         27       72         22       73         23       29         24       76         27       78         29       29         27       33         34       31         35       34         37       88   |       | 1           | =        | Т        |                           |              |          |          |              |          |          |     |       | 51       |              |        |             |            |          |          |              |        |
| 3 3   | 2     | 2           | 1        | 1        |                           |              | l .      |          | T            |          |          | 1   |       | 52       |              |        |             |            |          |          |              |        |
| \$\begin{array}{c c c c c c c c c c c c c c c c c c c   | 3     | 3           | П        | T        |                           |              |          |          |              | ľ        |          | 1   |       |          |              |        |             |            |          |          |              |        |
| T   5   6   6   7   7   7   7   7   7   7   7   | Ú     | 4           | П        | T        |                           |              |          |          | Г            |          |          | 1   |       | 54       |              |        | Π           |            |          |          |              | П      |
| Section   Sec | 7     | 5           | П        | 1        |                           |              |          |          |              |          |          | 1   |       | 55       |              |        |             |            |          |          |              | П      |
| 7   |       |             | П        | Ť        |                           |              |          |          | Τ            |          |          | 1   |       |          |              |        |             |            |          |          |              |        |
| \$\begin{array}{c c c c c c c c c c c c c c c c c c c   |       | 7           | П        | T        |                           |              |          |          |              | ١.       |          | 1 1 | 39    | 57       |              |        |             |            |          | Ī        |              |        |
| Q   | Ś     |             | П        | T        |                           |              |          |          |              |          |          | 1   | 40    | 58       | 1            |        |             |            | 1        | Г        |              |        |
| 10   10   10   11   11   11   12   12   | 9     | 9           | П        | Т        |                           |              |          |          |              |          |          | 1 [ | 41    | 59       | 1.1          |        |             |            |          |          |              |        |
| 1   |       |             |          |          |                           |              |          |          |              |          |          | 1   |       | 60       |              |        |             |            |          |          |              |        |
| 12  | 11    |             |          | IT       | _                         |              | Г        |          |              | T        |          | 1   |       | 61       |              |        |             |            |          |          |              |        |
| 13  | 12    |             |          | ╙        |                           |              |          |          |              |          |          | 1 [ |       |          |              |        |             |            |          |          |              | П      |
|   | 13    | 13          | Γ        | I        |                           | l            |          |          | 1            |          |          | 1   |       | 63       |              |        | <br>        |            |          | -        |              |        |
|   | 14    |             |          | ۱        |                           |              |          | ١.       |              |          | 1        | 1 1 |       |          |              |        |             |            |          |          |              |        |
|   | 21    | 15          |          | T        |                           |              |          |          |              |          |          | 1   |       | 65       |              |        |             |            |          |          |              | П      |
| 17  | 16    | 16          |          | I        | ī                         |              |          |          |              |          |          | 1 1 |       |          |              |        |             |            |          |          |              |        |
| 18  | 17    | 17          |          | Я        |                           |              |          |          |              |          |          | 1   |       |          |              |        |             |            |          |          |              |        |
| 19  | 18    | 18          |          |          | П                         |              |          |          |              |          |          | 1 [ |       |          |              |        |             |            |          |          |              |        |
| 20  |       | 19          |          |          |                           |              |          |          |              |          |          | 1 [ |       |          |              |        |             |            |          |          |              |        |
| 21  |       | 20          |          |          |                           |              |          |          |              |          |          | 1 [ |       |          |              |        |             |            |          |          |              |        |
| 22  |       | 21          | Г        | T        |                           |              |          |          | Π            |          | Γ        | ] [ |       | 71       |              |        |             |            |          | Γ        |              |        |
| 23  |       | 22          |          | T        |                           |              |          | Π        |              |          |          | ] [ |       | 72       |              |        |             |            |          |          |              |        |
| 24  |       | 23          |          | Τ        |                           |              |          |          |              | Γ        | Ī        |     |       | 73       |              |        |             |            |          | Γ        |              |        |
| 76       76         21       27         22       28         23       29         24       30         15       31         26       32         27       33         28       82         27       33         28       83         29       84         20       82         27       33         38       84         37       85         37       87         38       88         39       89         40       90         41       91         31       42         32       43         34       94         34       94         34       94         37       95         31       42         32       43         34       94         35       96         36       96         37       97         37       98         37       98         39       99   |       | 24          |          |          |                           |              |          |          |              |          |          | ] [ |       | 74       |              |        |             |            |          |          |              |        |
| 30       26         21       27         22       28         23       29         24       30         25       32         26       32         27       33         28       34         29       34         29       34         30       36         37       36         37       38         38       38         39       39         40       90         41       91         3)       42         32       43         34       94         34       94         34       94         34       96         35       96         36       97         37       48         37       98         38       98         39       99   | 19    | 25          | マ        | Ι        |                           |              |          |          |              |          |          |     |       | 75       |              |        |             |            |          | i<br>i   |              |        |
| 21       27         22       28         23       29         24       30         25       31         26       32         27       33         28       34         29       34         29       34         29       35         30       36         37       85         38       86         37       87         38       88         39       89         40       90         41       91         3)       42         32       43         34       94         34       94         34       94         34       96         35       46         36       97         37       98         37       98         37       98         36       99   |       | 26          |          | L        |                           |              |          | L.       |              |          |          | ] [ |       | 76       |              |        |             |            |          |          |              |        |
| 23       29       79         24       30       80         15       31       81         26       32       82         27       33       83         28       83       84         29       34       84         21       35       85         30       86       85         37       87       87         38       88       88         39       90       90         41       91       91         31       42       92         32       43       94         34       45       95         35       46       96         36       47       97         37       98       99  | 21    | 27          | П        | Τ        |                           |              |          |          |              |          |          | ] [ |       | 77       |              |        |             |            |          |          |              |        |
| 24 30       80         15 31       81         26 32       82         27 33       83         28 34       84         29 34       84         29 35       85         30 36       86         37       87         38       88         39       90         40       90         41       91         31 42       92         32 43       93         34 45       94         34 45       95         35 44       96         36 47       97         37 48       98         36 49       99   | 22    |             | П        |          |                           |              |          | <u> </u> |              |          | L        | ] [ |       |          |              |        |             |            |          |          |              |        |
| 24 30     80       15 31     81       26 32     82       27 33     83       28 34     84       17 35     85       30 36     86       37     87       38     88       39     89       40     90       41     91       3) 42     92       32 43     93       34 45     94       34 45     95       35 46     96       37 48     98       36 47     98       37 48     99  | 23    | 29          | П        |          |                           | L            |          |          |              | Ι        |          | ] [ | . "   | 79       |              |        |             |            |          |          |              |        |
| 18   31   | 24    | 30          | П        | Τ        |                           |              |          |          |              |          |          | ] [ |       | 80       |              |        |             |            |          |          |              |        |
| 27       33       83         28       84         29       34         30       85         37       87         38       88         39       90         40       90         41       91         3)       42         32       43         34       44         34       94         34       95         35       46         36       47         37       48         36       49         37       48         38       98         39       98         31       48         32       49         34       49  | W     |             | Ц        |          |                           |              |          |          |              |          |          |     |       |          |              |        |             |            |          | <u>L</u> |              |        |
| 27       33       83         28       84         29       34         30       85         37       87         38       88         39       90         40       90         41       91         3)       42         32       43         34       44         34       94         34       95         35       46         36       47         37       48         36       49         37       48         38       98         39       98         31       48         32       49         34       49  | 26    |             | Ц        | Ŀ        |                           |              |          |          |              |          |          |     |       |          |              |        |             |            |          |          |              |        |
| 30 .36 £ 86 87 87 88 88 89 90 90 90 90 90 90 90 90 90 90 90 90 90   | 27    |             | Ц        |          |                           |              |          |          |              |          |          |     |       |          |              |        |             |            |          |          |              |        |
| 30 .36 £ 86 87 87 88 88 89 90 90 90 90 90 90 90 90 90 90 90 90 90   | 28    |             |          | L        | $\sqcup$                  |              |          |          |              |          |          |     |       |          |              |        |             |            |          |          |              |        |
| 30 .36 £ 86 87 87 88 88 89 90 90 90 90 90 90 90 90 90 90 90 90 90   | 29    |             |          | L        |                           |              |          |          |              |          |          |     |       |          |              |        |             |            |          |          |              |        |
| 38 88 89 90 90 90 91 31 42 = 92 92 93 33 44 95 95 95 95 97 97 97 97 98 98 99 99 99  | 30    | <b>.3</b> 6 | 3        | <u> </u> |                           |              | L        | <u>_</u> |              |          |          |     |       | 86       |              |        |             |            | <u> </u> |          |              | Ш      |
| 39  |       |             | L.       | $\perp$  |                           |              |          |          |              |          |          |     |       |          |              |        | <br>L       |            |          |          | L            |        |
| 40  | oxed  |             | L        | $\perp$  |                           | <br>L        | <u> </u> | L        | <u></u>      |          |          | [   |       |          |              |        |             |            |          |          |              | Ш      |
| 41     91       3) 42 =     92       32 43 1     93       33 44 1     94       34 45 1     95       35 46 1     96       36 47 1     97       37 48 1     98       36 49 2     99   |       |             | L        | $\perp$  | Ц                         | <u> </u>     |          |          | $oxed{oxed}$ |          | <u></u>  |     |       | 89       | Ш            |        |             | L.,        | ļ        | L        | $oxed{oxed}$ | Ш      |
| 31 42 = 92 93 93 93 94 94 94 95 95 95 96 96 97 97 97 97 98 98 99 99 99 99   |       |             |          | L        |                           |              | _        | L        | <u> </u>     |          |          | ] [ |       |          | oxdot        |        |             | ١.         | L        |          |              | Ш      |
| 32     43       33     44       34     45       3L     46       36     47       37     48       36     49       36     49   |       | 41          | <u> </u> | 1        | ╛                         | <br>L        |          |          | L            |          |          |     |       |          |              |        | <br>L       |            |          | L        |              | Ш      |
| 32 43 1 93 94 94 95 95 95 96 97 97 97 97 98 98 99 99 99   | 31    |             | =        | L        | $\perp$                   | <br><u> </u> |          | L        | <u> </u>     |          |          | [   |       |          | Ш            |        | L           | L          |          | _        | <u> </u>     | Ш      |
| 34 45 95 96 96 97 97 97 98 98 99 99 99  | 32    |             | Ц        | $\perp$  | $ ight oxedsymbol{\perp}$ |              | L_       |          |              | <u> </u> | ļ        |     |       |          | $oxed{oxed}$ |        |             | <u> </u>   | L        | <u> </u> | L            | Ш      |
| 3.5 46   96   97   37 48  | 33    |             | Ш        | 1        | ↲                         | <br><u>L</u> | L.       | _        |              |          |          |     |       |          |              |        | <br>L       | _          | _        | <u> </u> |              | Ш      |
| 36 47   97   98   98   99   99   99   99   9  | 34    |             | Ц        | $\perp$  | _                         | <br>L        | L        | <u> </u> | ļ            | <u> </u> |          |     |       |          |              | $\Box$ | <br>        |            | <u> </u> | L        | L            | Ш      |
| 37 48 J 98 99 99  | 37    |             | Ц        | $\perp$  |                           | <br>oxdot    | ļ        |          | <u> </u>     | <u> </u> |          |     |       | 96       |              | $\Box$ |             | <u>_</u> _ | _        |          | L.,          | Ш      |
| 37 48 J<br>34 49 z 99   | 36    |             | Ц        | $\perp$  | _                         | <br>L        | L_       | L.       | <u> </u>     | <u> </u> | L        |     |       |          |              |        | <br>L       | ļ          | <u> </u> | L        | L            |        |
|   | 37    |             | J.       | $\perp$  | _                         | <u> </u>     | <u> </u> | <u> </u> | <u> </u>     | ــــ     | _        |     |       |          | $ \_ $       |        | <br><u></u> |            | <u> </u> |          |              | Щ      |
|   | 38    | 49          | =        | 1        | 4                         |              | <u> </u> |          |              | <u> </u> | <u> </u> |     |       |          | $\sqcup$     | _      |             | _          | <u> </u> | <u> </u> | L            |        |
|   |       | 50          |          |          |                           | <br>         | l        |          | <u> </u>     | <u>L</u> | <u> </u> |     |       | 100      |              |        |             | Ĺ          | <u> </u> |          | Ш            | Ш      |

| Cla            | Claim                |              | Date     |          |  |          |          |          |             |          |  |  |  |
|----------------|----------------------|--------------|----------|----------|--|----------|----------|----------|-------------|----------|--|--|--|
|                |                      | 181/04       | Г        |          | $\Box$   | Ī        | Ī        |          |             | 1        |  |  |  |
| =              | a                    | 0            | l        |          |  |          |          |          |             |          |  |  |  |
| Final          | jē.                  | 1            | 1        |          |  |          |          |          |             | ļ        |  |  |  |
| i              | Original             | 1            |          |          |  |          |          |          |             |          |  |  |  |
|                |                      | 8            |          |          | l  |          |          |          |             |          |  |  |  |
|                | 51                   |              |          |          |  |          |          |          |             |          |  |  |  |
|                | 52                   |              |          |          |  |          |          |          |             |          |  |  |  |
|                | 52<br>53             |              |          | <b>†</b> |  |          |          |          |             |          |  |  |  |
|                | 54                   |              |          |          | <b>†</b> –                                       |          |          |          | _           | $\vdash$ |  |  |  |
| -              | 55                   | -            |          | ╁        |  |          |          |          |             |          |  |  |  |
| $\vdash$       | 56                   | -            | <u> </u> | -        |  |          |          |          |             |          |  |  |  |
| -              | 56                   | L_           | _        | <u> </u> | L  | ļ        |          | ļ        | <u> </u>    |          |  |  |  |
| 39<br>40<br>41 | 57<br>58             | ±<br>₹       |          | ļ.,,     | L_   |          |          |          |             |          |  |  |  |
| 40             | 58                   | 1            |          |          |  |          |          |          |             |          |  |  |  |
| (4)            | 59                   | =            |          |          | 1  |          |          |          |             |          |  |  |  |
|                | 60                   |              |          |          |  |          |          |          |             |          |  |  |  |
|                | 61                   |              |          |          |  |          |          |          |             |          |  |  |  |
| $\Box$         | 62                   |              |          |          |  |          |          |          | Г           | Γ        |  |  |  |
|                | 63                   | <b></b> -    | <b>-</b> | $I^-$    | -  | _        | <u> </u> |          | -           | <u> </u> |  |  |  |
| $\vdash$       | 63<br>64             |              |          |          |  | $\vdash$ | $\vdash$ |          |             |          |  |  |  |
| $\vdash$       | 65                   |              |          | 1        | _  | $\vdash$ | $\vdash$ |          |             |          |  |  |  |
|                | 60                   | <u> </u>     |          |          | $\vdash$   | $\vdash$ | -        | -        |             | <u> </u> |  |  |  |
|                | 66                   | _            | _        | <u> </u> | <u> </u>   | _        | <u> </u> | _        | <u> </u>    | _        |  |  |  |
|                | 67                   |              |          |          |  |          | _        | _        | _           | _        |  |  |  |
|                | 68                   |              |          |          |  |          |          |          |             | L_       |  |  |  |
|                | 69                   |              |          | ļ        |  |          |          |          |             |          |  |  |  |
|                | 70                   |              |          |          |  |          |          |          |             |          |  |  |  |
|                | 71                   |              |          |          |  |          |          |          |             |          |  |  |  |
|                | 71<br>72             |              |          |          |  |          |          |          |             |          |  |  |  |
|                | 73                   |              |          |          |  |          |          |          |             |          |  |  |  |
|                | 74                   |              |          |          | $\vdash$   | _        |          |          |             | $\vdash$ |  |  |  |
|                | 74<br>75<br>76<br>77 |              | -        |          |  | _        |          |          |             |          |  |  |  |
|                | 76                   |              |          | ┢        | -  |          |          |          |             |          |  |  |  |
|                | 77                   | -            | -        |          | $\vdash$   |          |          |          |             |          |  |  |  |
|                | 78                   | -            | $\vdash$ |          | $\vdash$   |          |          |          |             |          |  |  |  |
|                | 70                   |              | _        |          |  |          |          |          |             |          |  |  |  |
| -              | 79                   |              | ⊢        |          | <del> </del>                                     |          |          |          |             | _        |  |  |  |
|                | 80                   | _            | ļ        |          |  |          |          |          |             |          |  |  |  |
|                | 81                   |              |          |          |  | <u> </u> |          |          |             |          |  |  |  |
|                | 82                   | L            |          |          |  |          |          |          |             |          |  |  |  |
|                | 83                   |              |          | L        | L  |          |          |          |             |          |  |  |  |
|                | 84<br>85             |              |          | L        | L  | L        | L        | L        | L           | L        |  |  |  |
|                | 85                   |              |          |          |  |          |          |          |             |          |  |  |  |
|                | 86                   |              |          |          |  | <u> </u> |          | T        |             |          |  |  |  |
|                | 87                   | П            | Т        |          |  |          | _        |          |             | $\Box$   |  |  |  |
| +              | 88                   | -            |          |          | <del>                                     </del> | _        |          |          |             |          |  |  |  |
| $\vdash$       | 89                   | Н            |          |          |  |          |          | $\vdash$ | <u> </u>    |          |  |  |  |
|                |                      | $\vdash$     | -        |          |  | <u> </u> |          |          | <del></del> | —        |  |  |  |
| $\vdash$       | 90                   | $\vdash$     |          |          | -  | ļ        |          |          |             | _        |  |  |  |
| $\vdash$       | 91                   | _            | <u> </u> | ļ        | ļ  |          |          | _        | <b> </b>    | -        |  |  |  |
|                | 92                   | $\sqcup$     | _        | L        | L  | L        |          | <u> </u> |             | <u> </u> |  |  |  |
|                | 93                   | $oxed{oxed}$ | _        |          |  | <u> </u> |          |          |             | _        |  |  |  |
|                | 94                   |              | Ĺ        |          | L  |          |          |          |             |          |  |  |  |
|                | 95                   |              |          |          | L  | L        |          | L        |             |          |  |  |  |
|                | 96                   |              |          |          |  |          |          |          |             |          |  |  |  |
|                | 97                   |              |          | $\Box$   |  |          |          |          |             |          |  |  |  |
|                | 98                   |              |          |          |  |          |          |          |             |          |  |  |  |
|                | 99                   | $\vdash$     |          | Г        |  |          |          |          |             |          |  |  |  |
| $\vdash$       | 100                  |              |          |          |  |          |          | -        |             |          |  |  |  |

| Cli            | Date                            |    |   |    |   |          |          |          |          |                 |
|----------------|---------------------------------|----|---|----|---|----------|----------|----------|----------|-----------------|
|                |                                 | Γ. |   |    |   |          |          | Γ.       | П        |                 |
| Final          | Original                        |    |   |    |   |          |          |          |          |                 |
|                | 101                             |    | - | _  |   | H        | <u> </u> |          | -        | H               |
|                | 102                             | _  | - |    |   |          |          |          |          | П               |
|                | 103                             |    |   |    |   | Г        | ļ        |          |          |                 |
|                | 104                             | -  |   |    |   |          |          |          |          | П               |
|                | 104<br>105                      |    |   |    |   |          |          |          |          | Н               |
|                | 106                             |    | - |    |   |          |          |          |          |                 |
|                | 107                             |    |   |    |   |          |          |          |          |                 |
|                | 107<br>108                      |    |   |    |   |          |          |          | İ        |                 |
|                | 109                             |    |   |    |   |          |          |          |          |                 |
|                | 110                             |    |   |    |   |          |          |          |          |                 |
|                | 111                             |    |   |    |   |          |          |          | Ī        |                 |
|                | 112                             |    |   |    |   |          |          |          |          |                 |
|                | 113                             |    |   |    |   |          |          |          |          | Ш               |
|                | 114                             |    |   |    |   | L        |          |          | <u> </u> | Ш               |
|                | 115<br>116<br>117               |    |   |    |   | L        | <u> </u> |          | <u> </u> | Ш               |
|                | 116                             |    |   |    |   |          |          |          |          | Ш               |
|                | 117                             |    |   |    |   |          | _        |          | <u> </u> |                 |
|                | 118                             |    |   |    |   |          |          |          |          |                 |
|                | 119                             |    |   |    |   |          |          |          |          |                 |
|                | 120<br>121                      |    |   | L  |   |          |          |          |          |                 |
|                | 121                             |    |   | _  |   |          |          | <u></u>  |          |                 |
|                | 122                             |    |   |    |   |          |          |          |          |                 |
|                | 123                             |    |   |    |   |          |          | <u>.</u> |          |                 |
|                | 123<br>124<br>125<br>126<br>127 |    |   |    |   | _        | _        | _        |          | Ш               |
|                | 125                             |    |   |    | _ |          | <u> </u> | _        |          |                 |
|                | 120                             |    |   |    |   |          |          |          |          | $\vdash$        |
|                | 127                             |    |   |    | _ | -        |          |          |          |                 |
| $\vdash\vdash$ | 128<br>129                      |    |   |    |   | _        |          |          |          | -               |
|                | 130                             |    |   |    | - | -        | -        |          |          |                 |
| $\vdash$       | 131                             |    |   |    | _ | -        |          |          |          | $\vdash$        |
| $\vdash$       | 131<br>132                      |    | _ | -  |   | $\vdash$ |          |          |          |                 |
| $\vdash$       | 133                             |    | _ |    |   |          | -        | H        |          |                 |
|                | 134                             |    |   |    |   |          |          |          |          |                 |
|                | 135                             |    |   |    |   | Н        |          |          |          | $\vdash$        |
|                | 136                             |    |   |    |   |          |          |          |          | $\vdash \vdash$ |
|                | 137                             | _  |   |    |   |          |          | <u> </u> | _        | $\vdash$        |
|                | 138                             |    |   |    |   |          |          |          |          | П               |
|                | 139                             |    |   |    |   |          | ·        |          |          | $\Box$          |
|                | 140                             |    |   |    |   |          |          |          |          | П               |
|                | 141                             |    |   |    |   |          |          |          |          |                 |
|                | 142                             |    |   |    |   |          |          |          |          |                 |
|                | 143                             |    |   |    |   |          |          |          |          |                 |
|                | 144                             |    |   |    |   |          |          |          |          |                 |
| ļ              | 145                             |    |   |    |   |          |          |          |          |                 |
|                | 146                             |    |   |    |   |          |          |          |          |                 |
|                | 147                             | _  |   |    |   |          |          | Ш        |          |                 |
|                | 148                             | _  |   |    |   |          |          |          |          | Ш               |
| ļļ             | 149                             |    |   |    |   |          |          |          |          | Ш               |
|                | 150                             |    |   | أا |   |          | L.,      | L        |          |                 |
|                |                                 |    |   |    |   |          |          |          |          |                 |